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PATENT  
Attorney Docket No.: TSC-0016  
Customer No.: 29344

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Salvatore Cianciolo  
Serial No.: 10/724,855 Filing Date: December 1, 2003  
Patent No.: 6,820,531 B1 Issue Date: November 23, 2004  
Title: POSITIONING SYSTEM WITH CONTINUOUS-RANGE  
INCLINATION AND ROTATION ANGLES

CERTIFICATE OF MAILING UNDER 37 U.S.C. § 1.8

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December 8, 2004  
Date

Lisa Sanders  
Lisa Sanders

Mail Stop PGPUB  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR REFUND OF PUBLICATION FEE

Sir:

The Issue Fee and Publication Fee for the referenced United States patent were filed in the United States Patent and Trademark Office on September 28, 2004. The application never published as a pre-grant publication under 35 U.S.C. 122(b), and the patent issued on November 23, 2004. Copies of the filed documents are enclosed for your review.

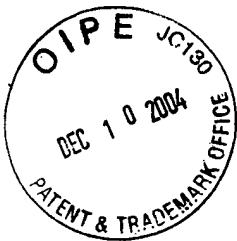
Applicant hereby requests a refund of the publication fee of \$300. The fees may be credited to Deposit Account Number 50-1798.

Respectfully submitted,

Date: December 8, 2004  
MILLS & ONELLO LLP  
Eleven Beacon Street, Suite 605  
Boston, Massachusetts 02108  
Telephone: (617) 994-4900, Ext. 4902  
Facsimile: (617) 742-7774

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Anthony P. Onello, Jr.  
Anthony P. Onello, Jr.  
Registration Number 38,572  
Attorney for Applicant



PATENT  
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Lisa Sanders  
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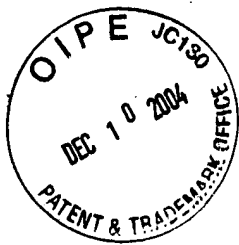
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Respectfully submitted,

Date: December 8, 2004  
Mills & Onello, LLP  
Eleven Beacon Street, Suite 605  
Boston, MA 02108  
Telephone: (617) 994-4900  
Facsimile: (617) 742-7774

Anthony P. Onello, Jr.  
Anthony P. Onello, Jr.  
Registration Number 38,572  
Attorney for Applicant



Mailed on September 28, 2004

TSC-0016

Enclosed are the following in re:  
Patent Appln of Salvatore Cianciolo  
Serial No.:10/724,855  
Filed: December 1, 2003

POSITIONING SYSTEM WITH CONTINUOUS-RANGE  
INCLINATION AND ROTATION ANGLES

This paper was received  
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- 1) Transmittal Letter
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Due Date: November 30, 2004

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Mailed on September 28, 2004

TSC-0016

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Patent Appln of Salvatore Cianciolo  
Serial No.:10/724,855  
Filed: December 1, 2003

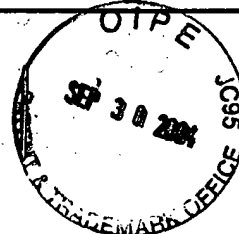
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53-7009/2113

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*Anthony P. Onello Jr*

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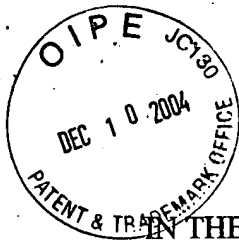
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PATENT  
Attorney Docket No.: TSC-0016  
Customer No.: 29344

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Salvatore Cianciolo  
U.S. Serial No.: 10/724,855  
Filing Date: December 1, 2003  
Examiner: Lofdahl, Jordan M.  
Group Art Unit: 3644  
Date of Notice of Allowance: August 30, 2004  
Title: POSITIONING SYSTEM WITH CONTINUOUS-RANGE  
INCLINATION AND ROTATION ANGLES

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9-28-04

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Vanessa Marakas

Vanessa Marakas

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TRANSMITTAL LETTER

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1. Fee(s) Transmittal PTOL-85;
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Respectfully submitted,

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Telephone: (617) 994-4900  
Facsimile: (617) 742-7774

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Anthony P. Onello, Jr.  
Anthony P. Onello, Jr.  
Registration Number 38,572  
Attorney for Applicant

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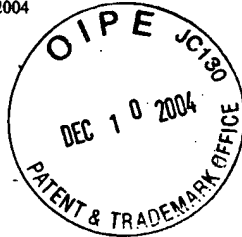
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Vanessa Marakas	(Depositor's name)
<i>Vanessa Marakas</i>	(Signature)
9-28-04	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,855	12/01/2003	Salvatore Cianciolo	TSC-0016	2169

TITLE OF INVENTION: POSITIONING SYSTEM WITH CONTINUOUS-RANGE INCLINATION AND ROTATION ANGLES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	11/30/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
LOFDAHL, JORDAN M	3644	089-041020

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1 MILLS &amp; ONELLO LLP

2

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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Textron Systems Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Wilmington, Massachusetts

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature *Anthony P. Onello, Jr.*Date September 28, 2004Typed or printed name Anthony P. Onello, Jr.Registration No. 38,572

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